

10/541713

Rec'd PCT/PTO 08 JUL 2005

INTERNATIONAL SEARCH REPORT

PCT/NL 03/00879

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F24H1/00 F24H1/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F24H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 559 201 C (ERWIN SLAWIK) 17 September 1932 (1932-09-17) the whole document	1-4, 7, 10, 12
X	US 5 850 503 A (ONKEN DONALD R) 15 December 1998 (1998-12-15) figures	1-4, 7, 10, 12
X	US 4 803 343 A (MASHINO NOBUYOSHI ET AL) 7 February 1989 (1989-02-07) figures	1, 3, 4, 8, 13
X	JP 61 162925 A (KASHIWAJIMA MITSUTOSHI) 23 July 1986 (1986-07-23) figures	1

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Further documents are listed in the continuation of box C.

☒

Patent family members are listed in annex.

* Special categories of cited documents:

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- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

31 March 2004

Date of mailing of the international search report

07/04/2004

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 559201	C	17-09-1932	NONE
US 5850503	A	15-12-1998	NONE
US 4803343	A	07-02-1989	JP 1779313 C 13-08-1993
		JP 4059231 B 21-09-1992	
		JP 62220478 A 28-09-1987	
		JP 62218763 A 26-09-1987	
		JP 1807924 C 10-12-1993	
		JP 5012230 B 17-02-1993	
		JP 62158689 A 14-07-1987	
		CN 86108941 A , B 02-09-1987	
		DE 3644364 A1 16-07-1987	
		FR 2592470 A1 03-07-1987	
		GB 2187274 A , B 03-09-1987	
		KR 9407192 B1 08-08-1994	
JP 61162925	A	23-07-1986	JP 1763360 C 28-05-1993
			JP 4055045 B 02-09-1992